	Application No.	Applicant(s)	
Notice of Allowability	09/517,705	LIANG ET AL.	
	Examiner	Art Unit	
	Steven Loke	2811	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	(OR REMAINS) CLOSED in or other appropriate comm IGHTS. This application is	n this application. If not include unication will be mailed in due	ed course. THIS
1. X This communication is responsive to <u>amendment filed on</u>	<u>1/10/05</u> .		
2. The allowed claim(s) is/are 1,16,18,20 and 22-27.			
3. X The drawings filed on <u>02 September 2000</u> are accepted b	y the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Applicatio	on No	tion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the rec	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			OTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mu (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1) each sheet. Replacement sheet(s) should be labeled as such in the sheet.	son's Patent Drawing Reviews s Amendment / Comment or	r in the Office action of he drawings in the front (not the	back) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the
 Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 1/12/01 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview S Paper No./ 7. ☒ Examiner's	formal Patent Application (PTC ummary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for Allo	wance
	·	Steven a	toke

Art Unit: 2811

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Page 2

Authorization for this examiner's amendment was given in a telephone interview with William Thomas Babbitt on 3/29/05.

The application has been amended as follows:

In the specification,

In page 1, before the line of "BACKGROUND OF THE INVENTION", insert -This application is a division of Application Serial no. 09/107,604 filed June 30, 1998,
now U.S. patent no. 6,130,123.--.

In the claim,

Claim 24, line 2, change "composed" to --consisting essentially--.

2. The following is an examiner's statement of reasons for allowance: The first major difference in the claims not found in the prior art of record is the first gate electrode consisting essentially of a gate material and the second gate electrode composed of a nitride of the gate material. The second major difference in the claims not found in the prior art of record is the first gate electrode composed of a nitride of a gate material and the second gate electrode composed of a silicide of the gate material. The third major difference in the claims not found in the prior art of record is the first metal gate electrode is tantalum. The fourth major difference in the claims not found in

Art Unit: 2811

the prior art of record is the first gate electrode is one of tantalum nitride and molybdenum nitride. The fifth major difference in the claims not found in the prior art of record is a tantalum gate electrode directly on a first gate dielectric and a tantalum nitride gate electrode directly on a second gate dielectric. The sixth major difference in the claims not found in the prior art of record is a molybdenum silicide gate electrode directly on a first gate dielectric and a moybdenum nitride gate electrode directly on a second gate dielectric.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Loke whose telephone number is (571) 272-1657. The examiner can normally be reached on 8:20 am to 5:50 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 09/517,705

Art Unit: 2811

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

sl March 30, 2005 Piling Loke

Page 4